

-----Original Message-----

**From:** A RUBIN [mailto:rubinhial@verizon.net]  
**Sent:** Saturday, January 26, 2008 9:02 AM  
**To:** Corbin, Jeff (GOV)  
**Cc:** Zahradka,Neil  
**Subject:** Fw: Alternate Technology Question

Please post on the Panel's web site. This will be relevant when we begin to discuss technologies other than land application.

Thanks and Cheers

Alan

----- Original Message -----

**From:** [Peter Brady](#)  
**To:** '[Henry Staudinger](#)' ; '[A RUBIN](#)'  
**Cc:** '[Corbin, Jeff](#)'  
**Sent:** Saturday, January 26, 2008 8:56 AM  
**Subject:** RE: Alternate Technology Question

Hi All,

Attached is a WEF document summarizing various Bioenergy technologies, and here is a web link with many technical and economic papers:

<http://www.wef.org/MembershipCareers/MembershipInformation/CommitteeList/BioenergyTechnology.htm>

Once you get past the general knowledge, and want to apply technology to a specific location, then I recommend a Consulting firm. The devil is really in the details.

One more thing – if I was building a facility for myself, I would ONLY use proven technology, unless I was prepared to spend a lot of money on R&D, and have a delayed operating facility!

All of the above comments are based on 20 years product development experience, so they are meant as constructive suggestions when you look at the big picture!

Regards

Peter

**Peter Brady**  
**Alpine Technology, Inc.**  
**Tel 512 328 5829**

**From:** Henry Staudinger [mailto:hjs1@shentel.net]  
**Sent:** Saturday, January 26, 2008 6:45 AM  
**To:** 'A RUBIN'  
**Cc:** 'Peter Brady'; 'Corbin, Jeff'  
**Subject:** RE: Alternate Technology Question

Alan

Thanks for the information.

I have been asked by a citizen why I have not recommended this as an alternative to land application. Since I do not make recommendations on things I do not understand, I have been trying to determine if this is worthy of bringing to the attention of the Biosolids panel.

According to the citizen, this process can be set up at the generator's facility, avoiding a number of the cons you have listed. The fact that this may not yet be proven technology needed to be better understood. Ultimately comparative costs could determine its viability as an option. Are you aware of comparative cost information? I am also unclear as to the potential problems that may be created by the Ash/Residual disposal.

I would like to clarify some of these issues further before deciding whether to recommend this as an alternative to the panel. Based on your email, Peter Brady might be a good source. If so, could you send me his telephone information.

Thanks.

Henry

**From:** A RUBIN [mailto:rubinhial@verizon.net]  
**Sent:** Friday, January 25, 2008 10:19 PM  
**To:** Henry Staudinger  
**Cc:** Peter Brady; Corbin, Jeff  
**Subject:** Re: Alternate Technology Question

Henry:

Pros:

- Potentially "cleaner" method to manage biosolids depending on the type of air pollution control device used
- Recovery of heat energy possible

Cons:

- Same or greater truck traffic, noise, dusts and potential odors at facility as land application
- Not a totally proven technology yet
- Costly
- Ash/Residual disposal may create problems
- Citizens may object to having facility in 'their back yard'

It would be beneficial to invite a speaker to present this biosolids management technology.  
Suggested speaker: Peter Brady from Alpine Technology. He is ccd on this communication

Cheers

Alan

----- Original Message -----

**From:** [Henry Staudinger](#)

**To:** 'The Rubins'

**Sent:** Friday, January 25, 2008 6:45 AM

**Subject:** Alternate technology Question

Alan

What do you know about the pros and cons of anaerobic-gasification technology as a possible alternative to land application?

Henry